Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/03/2017 09:36 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123224	-2	2.58	122977	2.57
Blue	F	SSC	125000	124028	-1	4.07	124406	3.98
Blue	E	FITC	23615	22818	-4	3.09	1020	10.66
Blue	D	PE	26739	26179	-3	2.76	944	10.26
Blue	B	PerCP-Cy5-5	48339	47880	-1	4.09	1373	17.13
Blue	A	PE-Cy7	45021	44738	-1	5.72	700	36.15
Red	C	APC	53064	51768	-3	2.85	2975	9.72
Red	A	APC-Cy7	57175	56450	-2	2.87	1181	11.59
Violet	B	V450	14728	14119	-5	5.51	676	9.90
Violet	A	V500	58621	57493	-2	5.39	2564	7.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15854	11.64	608	-6	N/A	N/A	Pass
Blue	F	SSC	60538	2.58	547	1	N/A	N/A	Pass
Blue	E	FITC	112	40.60	547	-1	0.0197	168	Pass
Blue	D	PE	205	30.81	538	2	0.1560	283	Pass
Blue	B	PerCP-Cy5-5	213	47.26	636	1	0.0102	171	Pass
Blue	A	PE-Cy7	74	124.43	694	1	0.0114	19	Pass
Red	C	APC	347	27.95	599	2	0.0191	30	Pass
Red	A	APC-Cy7	129	41.41	581	1	0.0050	1525	Pass
Violet	B	V450	83	43.24	469	-1	0.0454	2062	Pass
Violet	A	V500	185	24.25	498	1	0.0157	961	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.84	-31.21	0.87
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.33
Red	17.64	13.27 - 19.91	N/A	N/A	31.13	31.74	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9571

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments